AUTODOC CLUB

How to change front brake pads on **BMW 5 Saloon (F10)** – replacement guide

SIMILAR VIDEO TUTORIAL

This video shows the replacement procedure of a similar car part on another vehicle

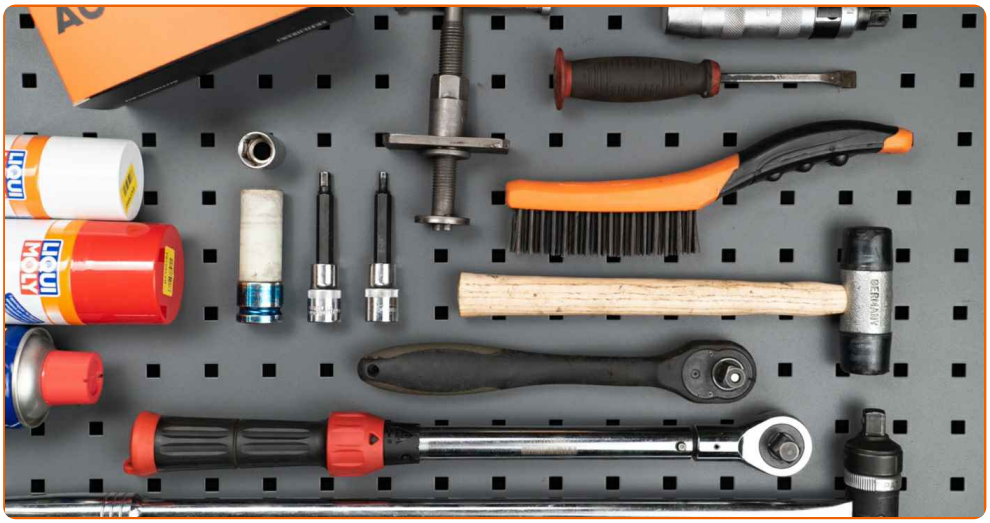
Important!

This replacement procedure can be used for:
BMW 5 Saloon (F10) 523i 2.5, BMW 5 Saloon (F10) 523i 3.0, BMW 5 Saloon (F10) 530i 3.0, BMW 5 Saloon (F10) 535i 3.0, BMW 5 Saloon (F10) 550i 4.4, BMW 5 Saloon (F10) 520d 2.0, BMW 5 Saloon (F10) 525d 3.0, BMW 5 Saloon (F10) 530d 3.0, BMW 5 Saloon (F10) 550i xDrive 4.4, BMW 5 Saloon (F10) 535d 3.0, BMW 5 Saloon (F10) 520d xDrive 2.0

The steps may slightly vary depending on the car design.

This tutorial was created based on the replacement procedure for a similar car part on: BMW 1 Coupe (E82) 125i 3.0

REPLACEMENT: BRAKE PADS – BMW 5 SALOON (F10). TOOLS YOU MIGHT NEED:



- Wire brush
- WD-40 spray
- Brake cleaner
- Anti-squeal paste
- Copper grease
- HEX bit no.H7.
- Wheel impact socket #17
- Ratchet wrench
- Torque wrench
- Brake caliper wind back tool
- Crow bar
- Fender cover
- Wheel chock

Buy tools

Replacement: brake pads – BMW 5 Saloon (F10). AUTODOC experts recommend:

- Perform the replacement of brake pads in complete set for each axis. This provides effective braking.
- The replacement procedure is identical for all brake pads on the same axle.
- All work should be done with the engine stopped.

REPLACEMENT: BRAKE PADS – BMW 5 SALOON (F10). USE THE FOLLOWING PROCEDURE:

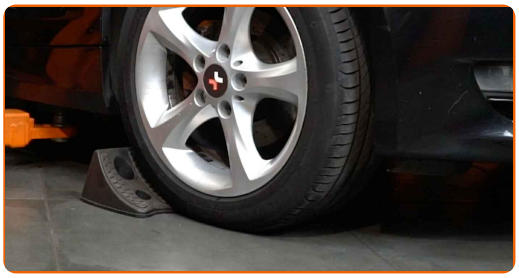
1 Open the hood.

2 Use a fender protection cover to prevent damaging paintwork and plastic parts of the car.

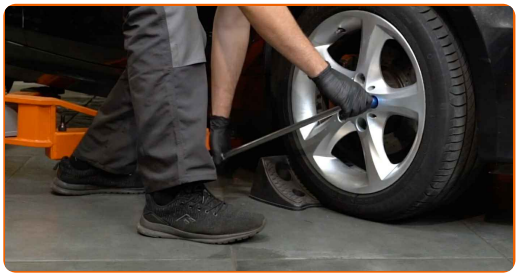
3 Remove the wiper arm cover.

4 Unscrew the brake fluid reservoir cap.

5 Secure the wheels with chocks.

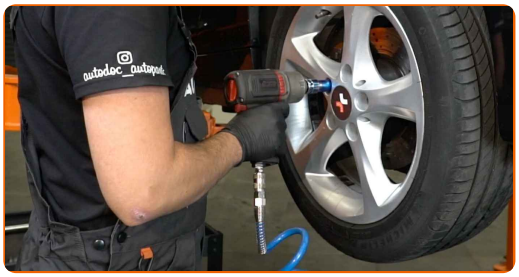


6 Loosen the wheel mounting bolts. Use wheel impact socket #17.



7 Raise the front of the car and secure on supports.

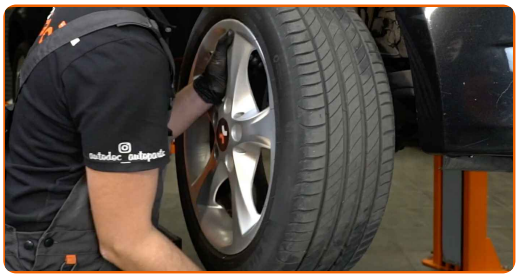
8 Unscrew the wheel bolts.



Replacement: brake pads – BMW 5 Saloon (F10). Tip:

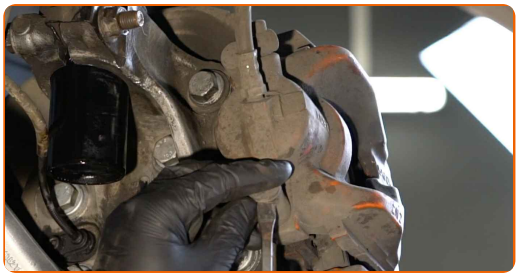
- To avoid injury, hold up the wheel when unscrewing the bolts.

9 Remove the wheel.

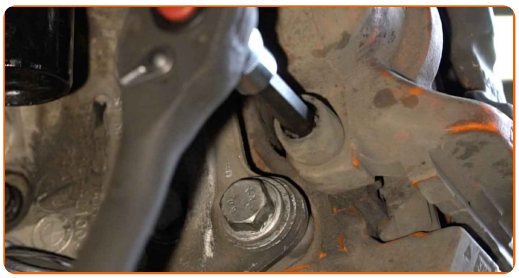


10 Spread the brake pads. Use a crowbar.

11 Remove the dust boot caps of the brake caliper guide pins. Use a crowbar.

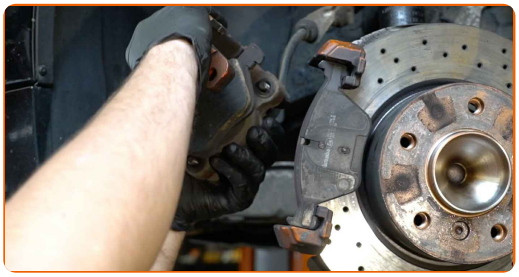


12 Unscrew the brake caliper fastening. Use HEX No.H7. Use a ratchet wrench.



13 Detach the brake caliper retaining spring. Use a crowbar.

14 Remove the brake caliper.



Replacement: brake pads – BMW 5 Saloon (F10). Tip from AUTODOC experts:

- Tie the caliper to the suspension or to the body with a wire without disconnecting from the brake hose to prevent depressurization of the brake system.
- Make sure that the brake caliper is not hanging on the brake hose.
- Don't press the brake pedal after the brake caliper has been removed. As a result, the piston can fall out from the brake cylinder, and brake fluid leakage and depressurization of the system may occur.
- Check the brake caliper bracket, brake caliper guide pins and boots. Clean them. Replace, if necessary.

15 Remove the brake pads.

AUTODOC recommends:

- Measure the brake disc thickness. Upon reaching the wear limit the part must be replaced.

16 Clean the brake caliper bracket from dirt and dust. Use a wire brush. Use a brake cleaner.

AUTODOC recommends:

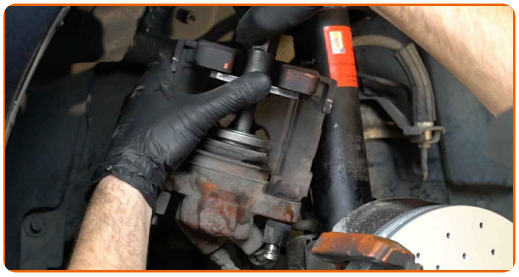
- Replacement: brake pads – BMW 5 Saloon (F10). After applying the spray, wait a few minutes.

17 Treat the brake caliper piston. Use a brake cleaner.

Replacement: brake pads – BMW 5 Saloon (F10). Tip:

- After applying the spray, wait a few minutes.

18 Press in the brake caliper piston. Use brake caliper wind back tool.

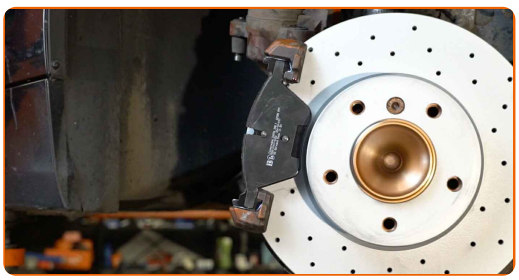


19 Treat the brake pads in the area where their surface comes into contact with the brake caliper bracket. Use anti-squeal paste.

Replacement: brake pads – BMW 5 Saloon (F10). Tip from AUTODOC:

- Make sure the disc surface is clean before installing the pads.

20 Install new brake pads.

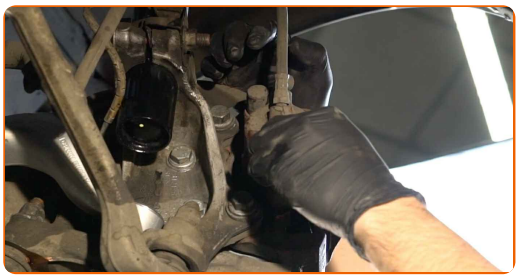


Replacement: brake pads – BMW 5 Saloon (F10). AUTODOC experts recommend:

- Make sure the pads are installed with linings facing the disc.

21 Install the brake caliper and fix it. Use HEX No.H7. Use a torque wrench. Tighten it to 30 Nm torque.

22 Install the dust boot caps of the brake caliper guide pins.



23 Install the brake caliper retaining spring.

24 Treat the surface where the brake disc contacts the wheel rim. Use copper grease.

25 Clean the brake disk surface. Use a brake cleaner.

AUTODOC recommends:

- Replacement: brake pads – BMW 5 Saloon (F10). After applying the spray, wait a few minutes.

26 Install the wheel.

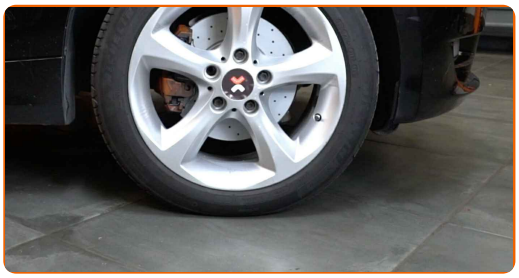
Replacement: brake pads – BMW 5 Saloon (F10). Professionals recommend:

- To avoid injury, hold up the wheel when screwing in the fastening bolts.

27 Screw in the wheel bolts. Use wheel impact socket #17.

28 Lower the car and working in a cross order, tighten the wheel bolts. Use wheel impact socket #17. Use a torque wrench. Tighten it to 120 Nm torque.

29 Remove the jacks and chocks.

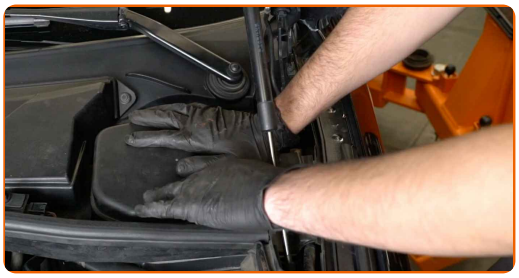


AUTODOC recommends:

- Important! Replacement: brake pads – BMW 5 Saloon (F10). Check the brake fluid level in the reservoir and top up if necessary.

30 Tighten the brake fluid reservoir cap.

31 Install the wiper arm cover.



32 Remove the fender protection cover.

33 Close the hood.

Replacement: brake pads – BMW 5 Saloon (F10). AUTODOC experts recommend:

- Without starting the engine, press the brake pedal several times until you feel significant resistance.
- Slow down smoothly for first 150-200 km after the brake pads replacement. Avoid unneccessary and sharp braking to a stop.

WELL DONE!

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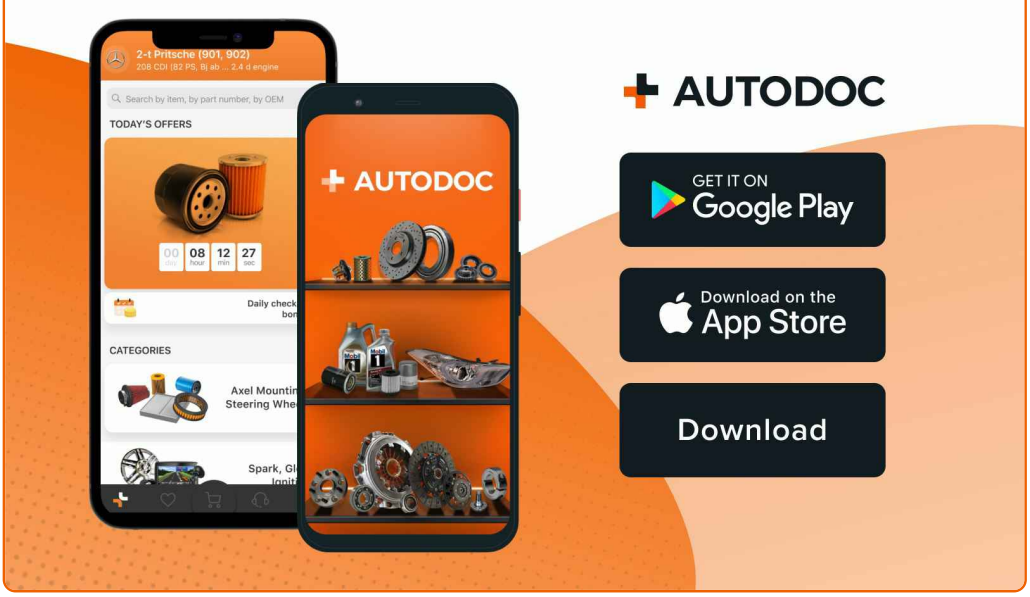

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BRAKE PADS: A WIDE SELECTION

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